

FIG - 3

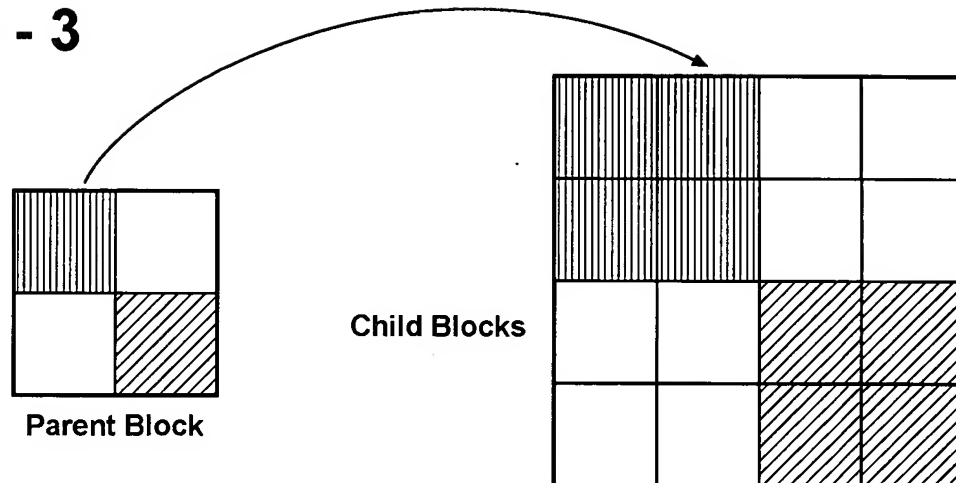


FIG - 6

ID	Category Descriptions
0	Africa, people landscape, animal
10	England, landscape, mountain, lake European, people, historical building
20	Monaco, Ocean, historical building, food, European, people
30	royal guard, England, European, people
40	vegetable
50	wildlife, young animal, animal, grass
⋮	
100	painting, European
⋮	
200	fractal, man-made, texture
⋮	
300	St. Moritz, ski, snow, ice, people
⋮	
400	Canada, landscapes, historical building
⋮	
500	owl, wildlife, bird
⋮	
590	woman, face, female, people
⋮	

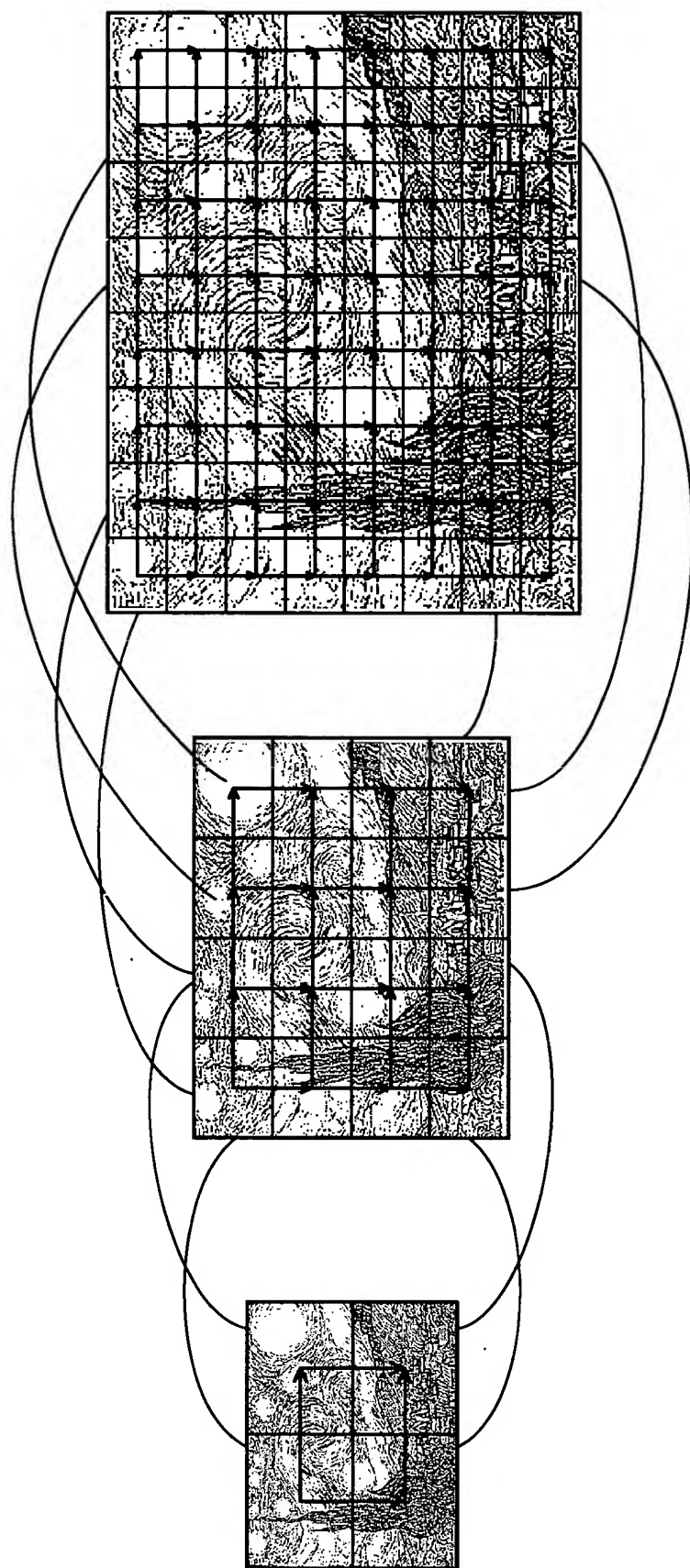


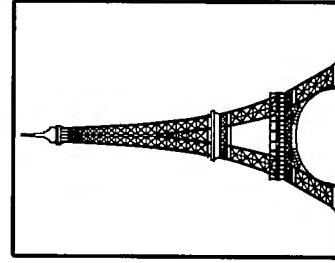
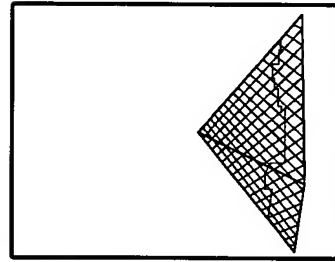
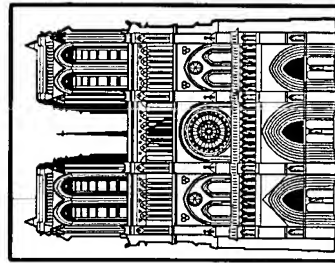
FIG - 4



...



FIG - 5A



...

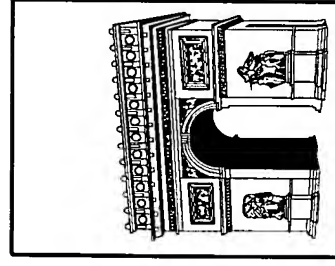


FIG - 5B

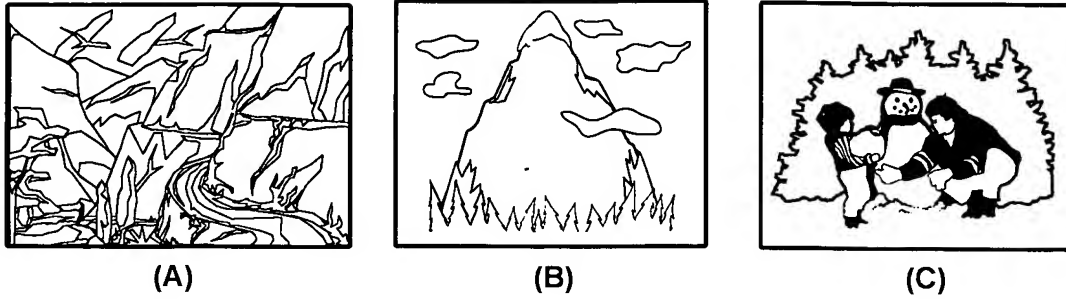


FIG - 9

Accuracy	11.88%	17.06%	20.76%	23.24%	26.05%
Number of Top-ranked Categories Required by ALIP	1	2	3	4	5
Number of Categories Required by a Random Selection Scheme	72	103	125	140	151

FIG - 10

%	Africa	beach	build-ings	buses	dino-saurs	ele-phants	flowers	horses	moun-tains	food
Africa	70	2	6	2	0	14	0	0	0	6
beach	0	74	2	0	0	4	2	0	18	0
buildings	6	2	86	0	0	2	0	0	2	2
buses	0	6	0	92	0	0	0	0	0	2
dinosaurs	0	0	0	0	98	0	0	0	2	0
elephants	2	0	2	0	0	82	0	8	2	4
flowers	2	0	0	0	0	0	98	0	0	0
horses	0	0	0	0	0	0	0	98	2	0
mountains	0	10	6	0	0	2	0	0	82	0
food	10	6	0	2	2	0	0	0	2	78

FIG - 7

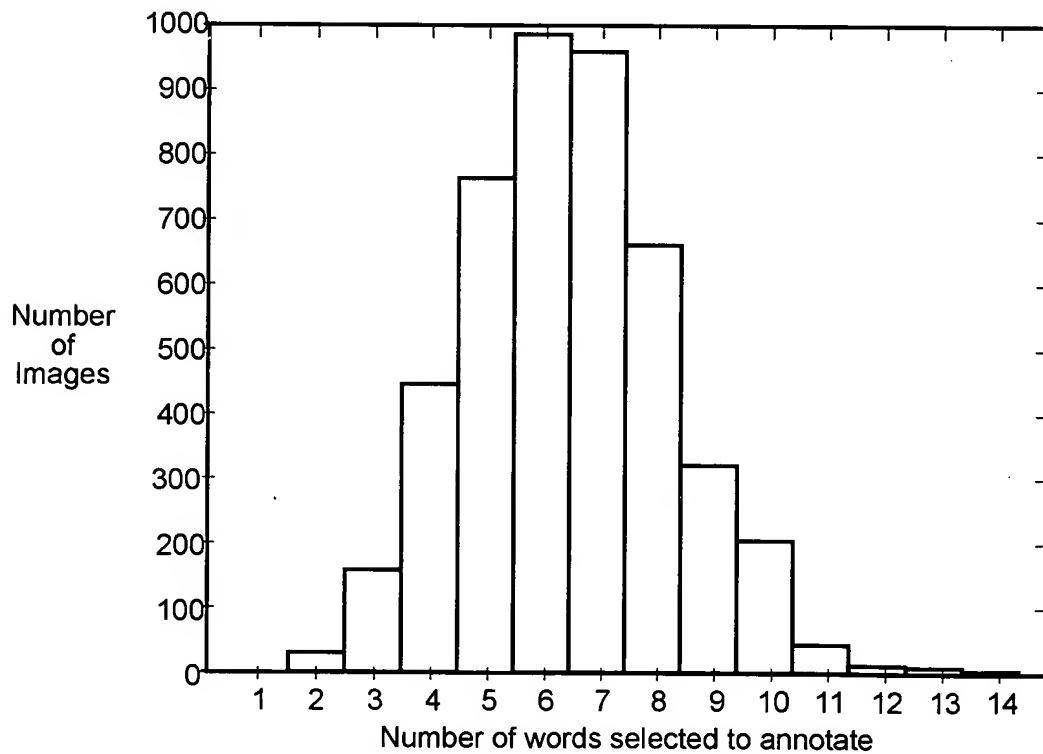


FIG - 8

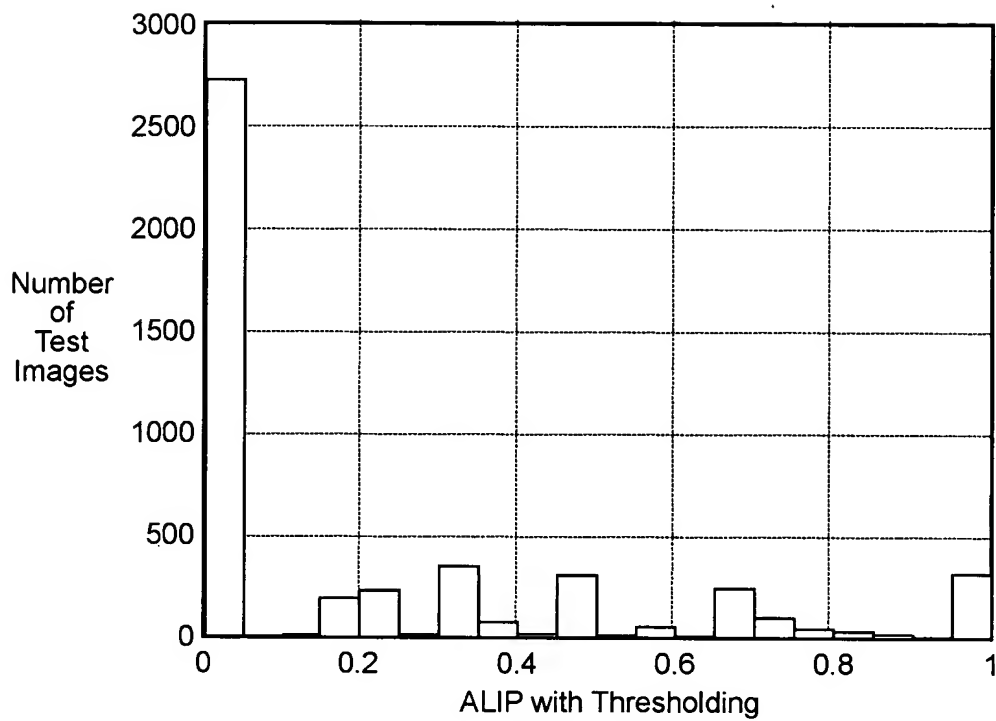


FIG - 11A

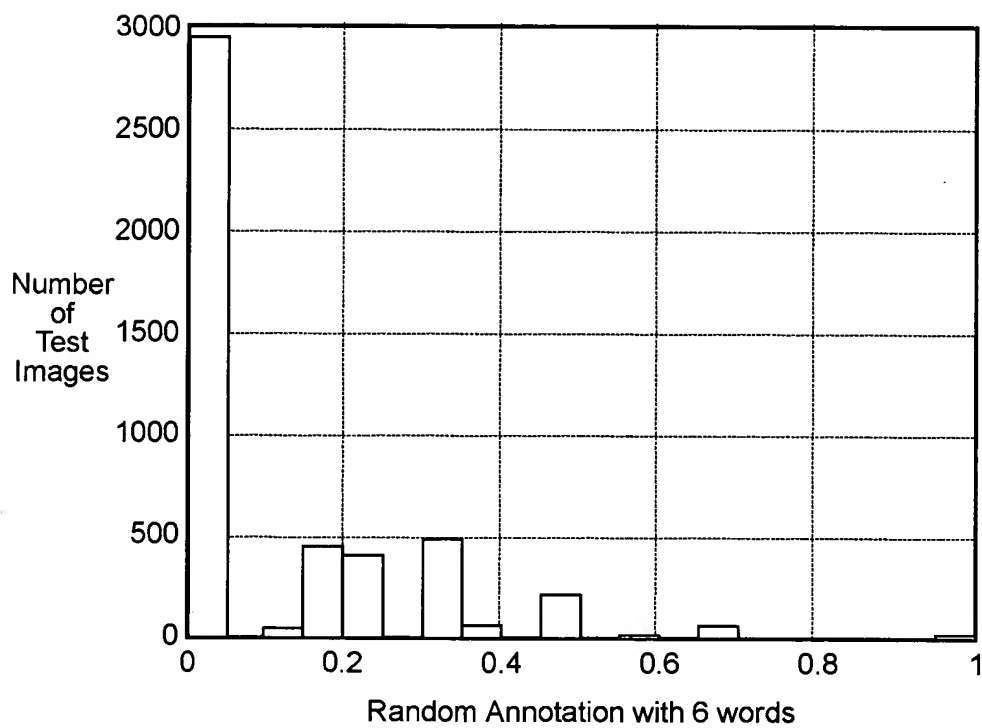


FIG - 11B

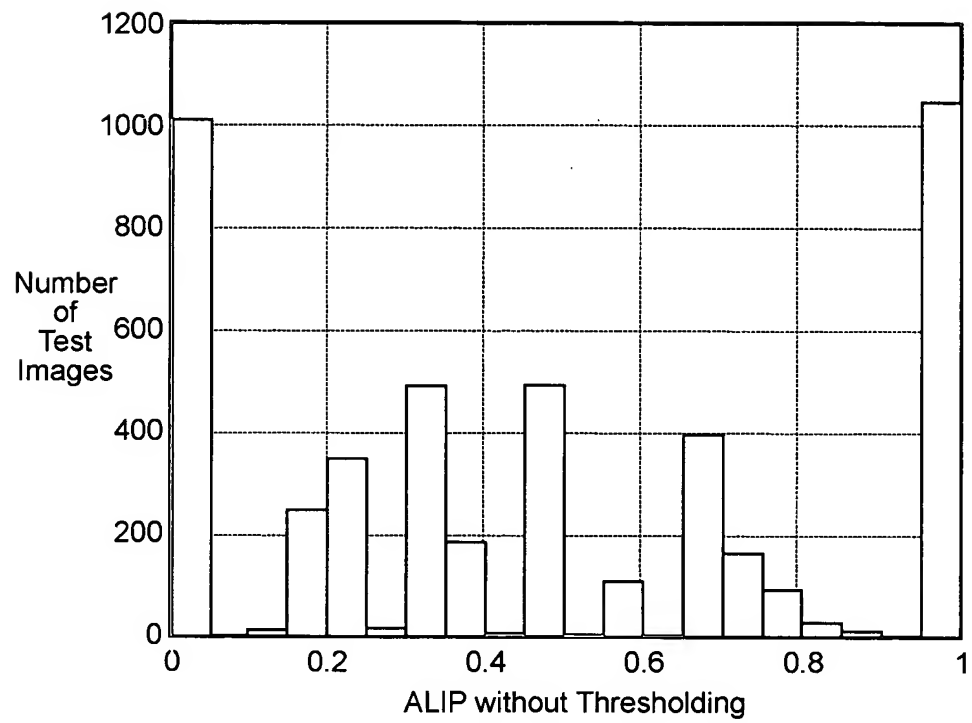


FIG - 11C

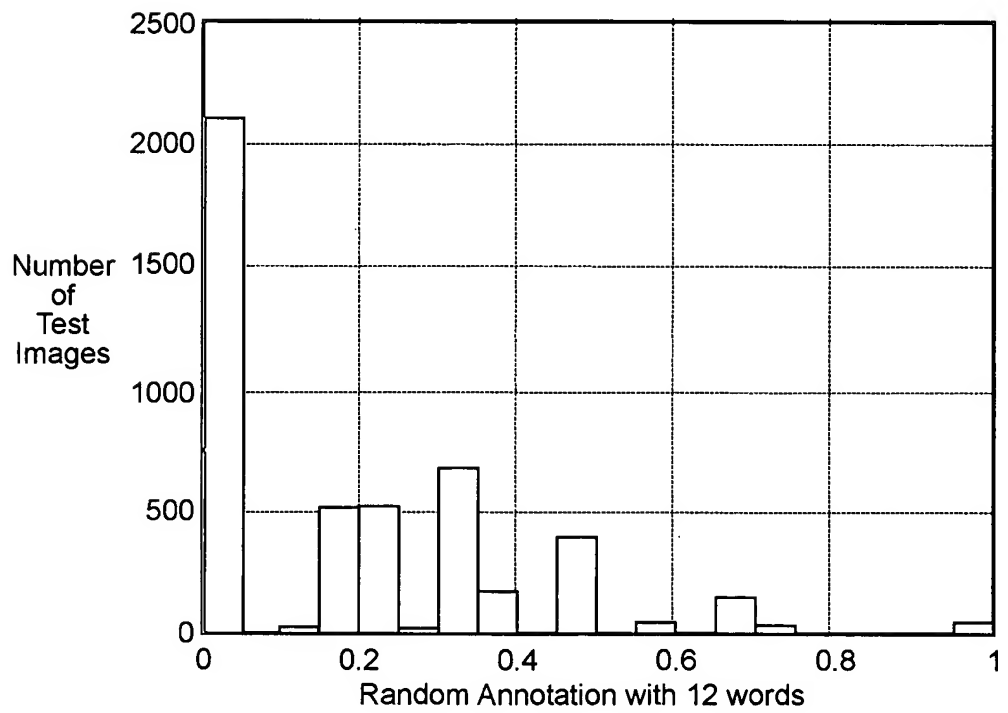


FIG - 11D

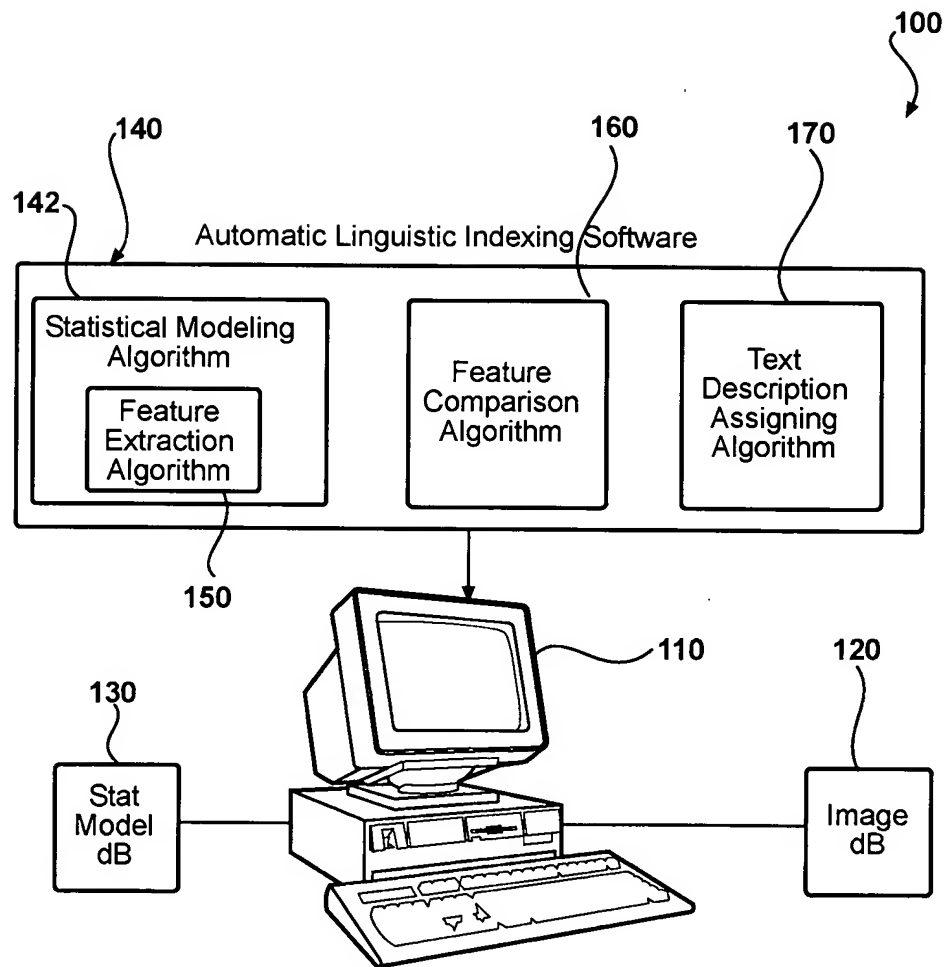


FIG - 12

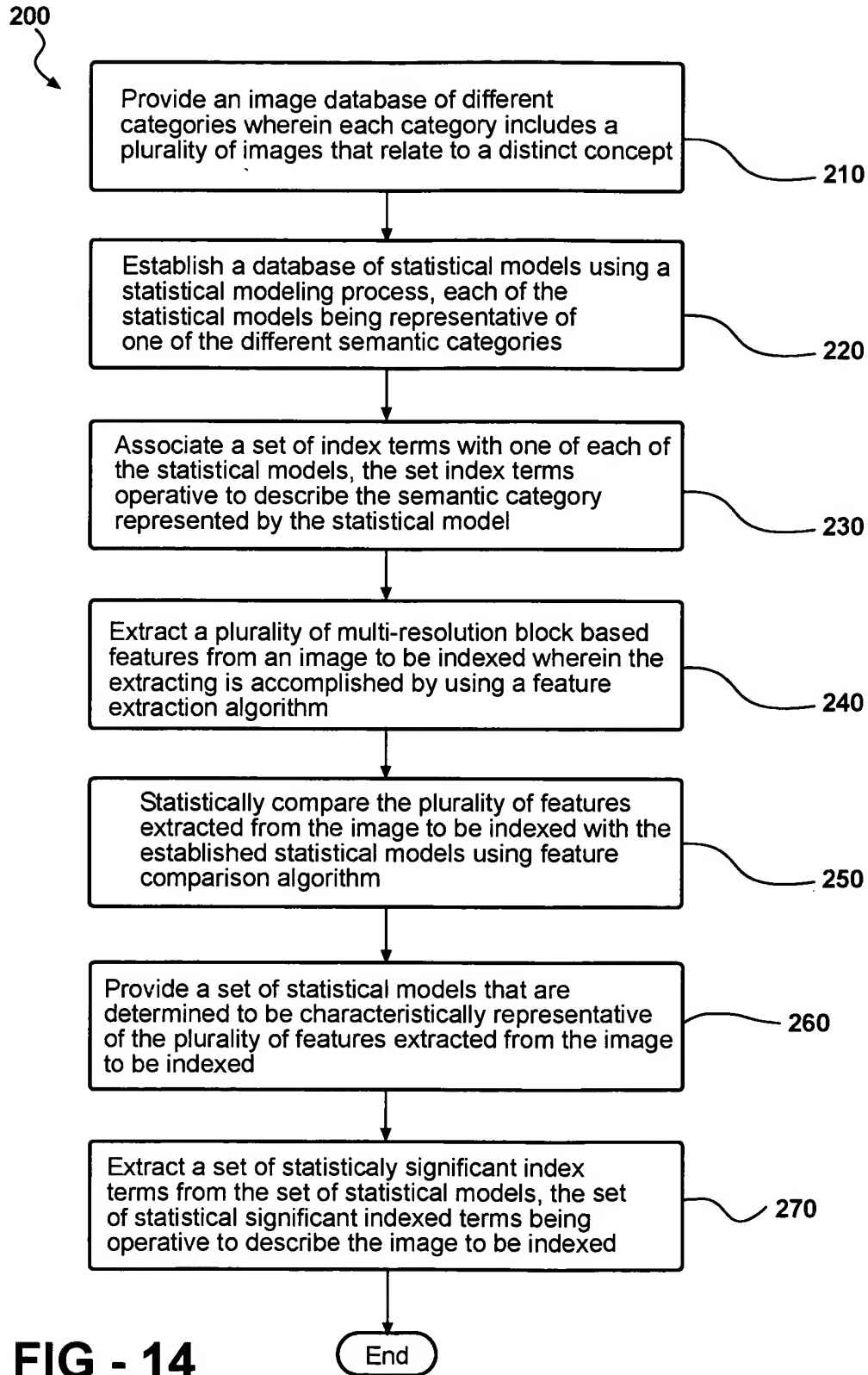


FIG - 14

